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Rose-Hulman Scholar

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News Briefs

Kinney named to head math ed group

Jack Kinney, Rose professor of mathematics, has named chairman of a national education group that is striving to improve the teaching of mathematics at the junior and senior high school levels.

Kinney will serve as the 1990 chairman of the Joint Committee on the Curriculum in Statistics and Probability. The organization consists of members of the American Statistical Association and the Nations Council of Teachers of Mathematics.

It is the only national group creating a new curriculum in

the areas of probability and statistics for junior and senior high school mathematics education, according to Kinney.

The committee's work has resulted in the creation of new math textbooks and the development of unique teacher training workshops.

Kinney, in 1985, created the first teacher education program of its kind in Indiana during which teachers were taught to use quantitative problems to help students understand everyday situations and events.

Mason looking into work-study problems

At last week's administrative council meeting, Thomas Mason, Vice President for Administration and Finance, discussed problems Rose is encountering with increasing numbers of students on the work-study payroll.

With 641 students currently on the payroll, difficulties in distributing the checks, which are issued bi-weekly at the

student bank, are beginning to emerge.

The procedure is causing huge lines, which Mason describes as "stretching all the way to West Terre Haute."

Alternatives are being considered. In one plan, program supervisors would be given the responsibility of distributing the checks.

Rose Drama Club to present *Wild Oats*

by Brian Lakstins

The Rose Drama Club's fall production is *Wild Oats*.

The play is an affectionate tribute to the men and women of the late 19th century who toured the American West as travelling players.

Show times are 8 p.m. on Nov. 3 and 4 and 2:30 p.m. on Nov. 5. Performances will be held in the Moench Hall Auditorium.

Tickets are \$4 and free to Rose students. For reservations, call the Hulman Memorial Union office at ext. 346.

Board approves mission

by Clark Pentico

On Oct. 5, Rose-Hulman's Board of Managers set out on a mission to "establish Rose-Hulman as THE BEST undergraduate engineering and science college," by the year 2000.

Understanding the magnitude of the project, Rose-Hulman President Samuel F. Hulbert estimates the need to raise 100 to 200 million dollars over a ten year period.

The 1985-95 mission called for 50 million dollars to be raised.

The actual design will come from the Board of Managers, with faculty and student input.

Hulbert said that all information gathering should be complete by the end of January and that a first draft of the committee reports should be ready by spring.

Dr. Hulbert believes the Board's hands on involvement will keep them in tune with the happenings on campus and bring in strong support of the Board.

The mission assumes becoming a co-ed institution.

According to Dr. Hulbert, "We cannot be THE BEST science and engineering school and be all male!"

An emphasis will be given to the computer center, with approximately one million dollars a

year going to the upgrading of the facilities.

Student life will also be a center of focus. The construction of a new residence hall is still on the drawing board. An enlargement of the student life staff as well as counselling services were also mentioned.

The introductory physics laboratory equipment is also a concern and will be updated.

Greater attempts will be made to attract a diverse student and faculty population. Dr. Hulbert commented that very few science and engineering colleges are successful at attraction of minorities.

Students striving to make environment hot issue

(CPS) — Students from more than 250 college campuses — almost 10 percent of the country's major 2-year and 4-year colleges — are expected to descend on the University of North Carolina (UNC) in Chapel Hill Oct. 27-29 to try to start a political movement.

"We're hoping to unify and get a stronger movement to raise environmental activism on campus," declared Jimmy Langman, chairman of the Student Environmental Action Committee at UNC.

Langman and his cohorts are aiming to jump start the long-flagging college environmental movement, and energize it with the kind of political urgency that characterized student anti-apartheid, campus security and arms control efforts earlier in the decade.

Many groups like Langman's have previously plotted to make

their causes into This Year's Issue. Students from 35 colleges, for example, congregated at the University of New Hampshire in 1987 to outline a plan to transplant West Germany's environmentalist Green Party to the United States.

Now, however, ecology groups are getting help.

The earth's environment is getting star treatment in the popular culture. Once relegated to public-television documentaries, the issue this year will be featured on episodes of prime-time television shows "Murphy Brown" and "Head of the Class." Michael Stipe of R.E.M. has recorded a public service announcement, to air on 1,400 college radio stations, encouraging students to get involved with the cause.

In January, Time magazine named "endangered Earth" its man of the year, and has since featured stories about the ruin of

the Brazilian rain forest and the slaughter of African elephants.

And on March 24, the Exxon Valdez struck a reef in Alaska's Prince William Sound, leaking 11 million gallons of crude oil into the water. It turned out to be the worst oil spill in U.S. history, but observers say, helped turn public attention to environmental issues.

"A lot of people are realizing we've done a really wonderful job screwing up the earth," said Robin Rhein, a regional coordinator for the "Cool It!" project, the National Wildlife Federation's student drive to slow global warming.

Organizers are planning a 20th anniversary on Earth Day for April 22.

"There will be a greater sense of urgency this time," predicted Owen Byrd, national student coordinator of Earth Day, headquartered in Palo Alto, Calif.

continued on page 2

New report: Colleges need 50-hour core curriculum

by Amy Hudson

(CPS) — All college students should have to take at least 50 credit hours of humanities courses to graduate, said Lynne Cheney of the National Endowment for the Humanities (NEH) in one of the first college-level reform calls of the six-year-old school reform movement.

The report's suggestions, if adopted, would radically change how most students go to college.

Cheney also said they would force students to learn the "basic landmarks of history and thought," satisfying critics who use surveys showing some collegians' unfamiliarity with certain geography, history and literary facts as proof colleges don't educate people well.

To support their call for reform, Cheney and the NEH also released a survey earlier this month showing large percentages of college seniors didn't know key historical dates and phrases.

The NEH's report, titled "50 hours," calls on colleges to strengthen their general education requirements with a core of learning — 50 semester hours of required study, which would take a full-time student nearly two years to complete — in cultures and civilizations, foreign languages, mathematics, natural sciences and the social sciences.

"Entering students often find few requirements in place and a plethora of offerings," and, as a result, skip from class to class throughout their college careers with "little rationale" or any sort of consistent pattern,

Cheney complained.

The report is the first since President Bush's "education summit" with the nation's governors at the University of Virginia Sept. 27-28, where he agreed to set national school goals, almost exclusively for pre-college education.

Reaction to the NEH report has been predictably mixed.

"General education is a real strength of the American education system," said James Kilroy, dean of the English department at Tulane University in Louisiana. "A college education should be more than just a technical kind of training."

"I think a 50-hour core curriculum would be absurd," countered Walter Johnson, an engineering dean at the University of Nevada in Reno (UNR).

"I think people from humanities get as focused if not more focused than engineers are accused of being. They often look at their world as the only world, and they fail to see the world around them."

He thinks even a 36-hour core, which UNR implemented this year, is too much. Noting that many engineering grads eventually end up doing something besides engineering, the core prevents them from trying anything outside of engineering or the core.

"They no longer have time to explore," he observed.

Some students though, like having specific requirements in general education.

"It's a pretty good core," said Glen Krutz, president of UNR's

student government. "There needs to be a body of common knowledge."

"If colleges are saying they are liberal arts colleges, they have an obligation to prepare (students) if not just for their first job, but for life," said Jeff Morgan, vice president of St. John's College in New Mexico, where students must take core courses — half in humanities, half in science — all in four years.

"One of the obligations we have is to graduate educated people," Morgan said, "not to be in the business of vocational education."

Indeed, many of the colleges that have adopted "core" curricula in recent years did so in response to criticism they had become "vocational" schools that narrowly trained students to be doctors, business people, or artists without "rounding" them with knowledge outside their majors.

In the mid-eighties, two bestselling books — Allan Bloom's *The Closing of the American Mind* and E.D. Hirsch's *Cultural Literacy* — further fueled the criticism. Bloom, a University of Chicago professor, wrote of his students' self-centeredness and ignorance. Hirsch listed hundreds of dates, facts, allusions and other bits of miscellany that, he felt, all educated people should know, but don't.

Feeling the heat, scores of schools — including the University of North Texas, Boston and Kentucky State Universities, and Brooklyn, St. Anselm and Shim-



National Endowment for the Humanities chairwoman Lynne Cheney: Chasing after "basic landmarks of history and thought."

College Press Service/Teresa Zabala

mer colleges — adopted "core" course requirements for their students.

Yet others believe students should get such general knowledge in high school, not college.

Campus Life

Elephant Talk

I need your help. In order to continue Elephant Talk on WMHD, we need to know what you care about. What do you like about Rose-Hulman? What can be improved? Let me give you a few examples.

Take computer facilities. Wouldn't it be nice if everyone had one VAX account big enough to use, instead of a minuscule personal account and a handful of temporary, fragmented class accounts? Even better, issue one account to every freshman along with their mailbox. Even best, rely more on a variety of systems including the VAX, engineering workstations, and PC networks from a variety of vendors, in order to be more flexible and simulate industry.

How about the student body? Have you noticed how homogeneous it is in geography, race, economic background, and gender? What can and should be done in recruiting?

In a day and age when a graduate degree is increasingly a prerequisite for a successful career, why is so little help available from the placement office in finding schools, contacting programs, finding fellowships, completing applications, and registering for the GRE?

There's more out there, and good answers to all of these questions. Please send a note to WMHD at box 169 or call 877-8350 if you have more ideas. Most importantly, take advantage of forums like the Rose Thorn and Elephant Talk to be heard and make a difference!

Thanks,
Jeff Darnell

Is life today more difficult than in 30 A.D.?

Jesus' life wasn't easy. He was surrounded by difficult human circumstances. What did he do? What made him able to heal — to remove hopelessness, helplessness, sickness, and sin?

Explore the answers to these questions and others at a free lecture entitled:

"The Reason To Live: Finding the Divine Love That Heals"

given by Gordon R. Clarke, C.S.B., of Milwaukee, Wisconsin, member of the Christian Science Board of Lectureship, on Saturday, October 21, 10:30 A.M., at The Community Theatre of Terre Haute, 1431 South 25th Street.

Child care and free parking will be provided.
Sponsored by First Church of Christ, Scientist, Terre Haute.

THORN STAFF

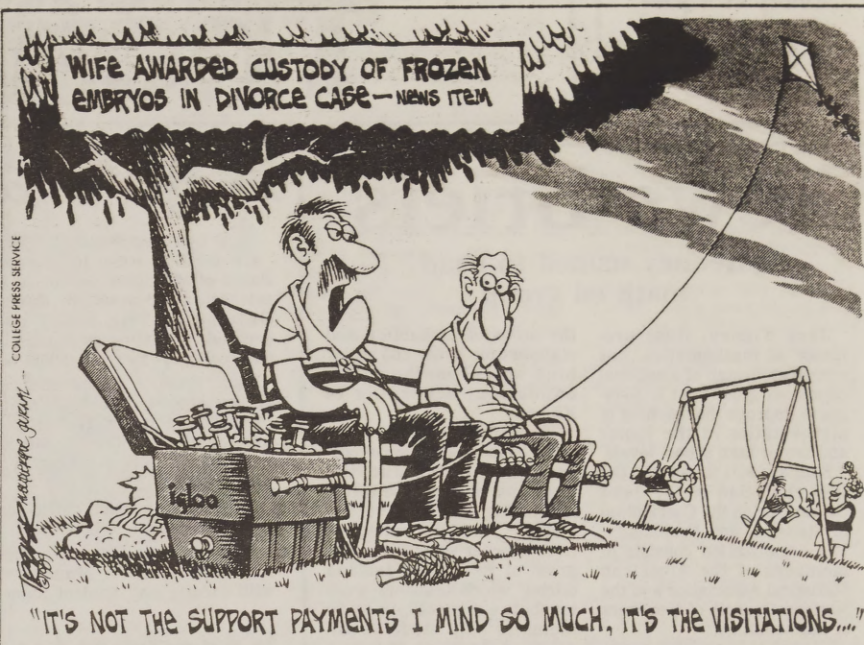
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The Rose Thorn welcomes letters or comments from readers. Articles, ideas, and announcements are also desired. In view of length constraints, we reserve the right to limit the lengths of comments and use excerpts from letters. All submitted material must be signed. All material should be submitted the Monday prior to publication.



COLLEGE PRESS SERVICE
Subscriber



continued from page 1

Collegians at places as diverse as Central College in Iowa, Brown University in Rhode Island and California State University in Sacramento have mounted drives to force their schools to replace foam cups and plates that are made of polystyrene — whose manufacture, they say, requires the release of chlorofluorocarbons that, in turn, deplete the ozone layer in the upper reaches of the atmosphere — with other substances.

University of Michigan students, who eat an estimated \$6.8 million worth of pizzas a year, now throw their pizza boxes, newspapers and bottles away in separate containers in their dorms.

Most campuses, in fact, now have some kind of recycling program in place, student activists say.

"These things seem to run in cycles," Earth Day's Byrd said. "We've lucked into a period of renewed public interest."

"The environmental issue is not only an issue for 1989 and 1990, but for the decade," claimed Julianne Marley, president of the United States Student Association (USSA) in Washington, D.C.

"People are finally starting to realize we're responsible and that we have to do something about it," mused Holly Mehl, who helped start Central College's first environmental group two years ago.

Others see the environment

replacing other issues — at least momentarily — because there is a sense that individual efforts will help, said Ken Hoover, chairman of the political science department at Western Washington University.

Not everyone thinks oil spills, droughts, and repeated warnings about the Greenhouse Effect will cause students to put environment at the top of their list.

"Not to diminish the environment, but there is still a whole lot going on," maintained Ray Davis, of the Student Coalition against Apartheid and Racism (SCAR) in Washington, D.C. Racial tensions and military-funded research, he said, are higher on many students' lists of political causes.

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Sports

Rose football wins, prepares for Wisconsin

by Ken Koziol
Sports Editor

The Rose-Hulman football team improved its record to 3-2-1 after defeating DePauw last Saturday, 22-15. The team dropped a tough loss, 35-0, to undefeated Taylor University a week before in front of a huge Homecoming crowd. Both opponents are ICAC members. Rose's ICAC record is now 1-2, while remaining undefeated on the road.

Blocked punts proved to be a deciding factor in the loss to Taylor. Not only was one, or even two punts, blocked, but four were blocked, and another one tipped. Two of those were immediately returned for touch-

downs on the same play. Yet another punt was forced, in addition, leading to excellent field position which led to still another Taylor score.

To add insult to injury, and still keep Taylor's offense off its feet, the defense intercepted a pass late in the game to end the scoring.

The past weekend was much more enjoyable for the Engineers as they came out from a first deadlock of 15-15 to score on the first drive of the second half. That was all the scoring needed to notch the win. Standouts in the victory were freshmen fullback Kevin Greene and linebacker Dan Flynn.

Greene carried 13 times in the second half for 75 yards and prevented Evansville from regaining the ball late in the game. Flynn was the leader on defense as the Aces threatened to score in the fourth quarter. He stopped them inches short of first down yardage which enabled Rose to run out the clock for the win.

The Engineers will play at the University of Wisconsin-Oshkosh tomorrow for the first time. The game has been designated as an ICAC contest. The Titans will bring a record of 2-4 into the game. "They have excellent personnel on both sides of the ball," said Coach Scott Duncan, noting

that the team, after winning its first two games has had a very tough schedule.

Lately the coaches have been seeing much help and effort from the younger players on the team.

"Eight freshmen played last week," Duncan said "They're starting to play like second-year players. It should make us a better team in the second half (of the season)." Quarterback Todd Foreman was given the starting role in the second game after playing much of the opener due to senior Andy Richards' injury. Thus far he has completed 51 percent of his passes for 937 yards and four touchdowns.

Greene, also, is now becoming an integral part of the offensive scheme in winning football games.

In addition to these youngsters are sophomores Jeff Wilson, a two-year starter at nose tackle, Jim Bowman who recently had a game-high 13 tackles at linebacker, and linebacker Brian Schwaiger, also among the team's leading tacklers. Sophomores Mark Guerrettaz and Shannon Gatke also line up for the Engineers at tailback.

The remaining four games for Rose are ICAC games. Tomorrow's match will begin at 1:00 at the 10,000 seat field in Wisconsin.

Wilson breaks record, CC improves

by Ken Koziol
Sports Editor

Coach Bill Welch continues to see his runners improve, and some more than others. Chris Wilson led the harriers in a record time of 25:47 in a recent meet against Wabash College at home. Rose lost, but the score was no indication of how the team ran.

Wilson remained out of the lead for most of the 8K race, but with 2400 meters to go broke away from the rest of the race to eventually win by 20 seconds. Former record holder on the rose course, Mike O'Brien, was

on hand to see his mark of 25:49 diminish to the young runner. Overall, however, Wabash proved to have much more depth, and left victorious. "The loss should not take away from some good running on our part. We had 12 personal bests," said Welch.

Joining the all-time top twenty were Wilson (6th), Jason Lueking (15th), and Bob Jacobs (tied for 18th). On the Rose-Hulman course Lueking moved into the fifth spot, Jacobs took over the seventh spot, and Frank Visingardi moved into the tenth spot.

On October 13 the team ran in the Indiana Intercollegiate Meet. In the Little State competition the squad posted its best finish since 1984. On the Big State level the Rose was seventh. That finish was the best since 1981. Once again Wilson led Rose, with a time of 26:11 good for third place. "I thought Chris ran a very competitive and very smart race," said Welch. Greg Dixon finished strong in 27:28 for 26th place.

The cross-country team will run next in the ICAC meet and then the NCAA Regional meet.



Chris Wilson moves toward a victory and a Rose-Hulman course record.
photo by: Brian Fane.

In Other Rose Sports

by Ken Koziol
Sports Editor

SOCCER: After suffering three straight shutouts last week the Engineers, now 5-7-2, scored nine goals in improving their record on a 2-0-1 streak. Todd Logan had four of those goals to make him the temporary leading scorer for Rose. Two of those goals came in a 5-2 victory over Franklin College. "Todd has been a spark for us," said Coach Greg Ruark. "He's all over the field — on offense and defense." Forward Dan Palazzolo was also impressive in notching three assists during the week. At press time the team is preparing for a match against ICAC opponents DePauw (Wednesday) and Wabash (Saturday). So far the team has a 3-1 record in the conference. In addition to defeating Franklin College last week, Rose also beat Thomas More, 2-1, after tying Millikin, 2-2, last Friday. The team will also look to playing Butler, a team that beat Rose 6-1 in the preseason. "After suffering a little letdown, I think we're ready to play again. We'll be ready for Wabash and Butler this weekend," said Ruark.

BASEBALL: The team concludes its fall schedule this Sunday with a double-header at Indiana State University. So far this fall, the Engineers are 0-4.

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Humor/Satire

Quotes of the Week

We're scaling back on the quotes a little, because they were taking up too much room. Now, only the best will win a spot on page N+1. Keep sending them to Box 643 with the teacher's name, class, and your name. Thanks.

"You'd be amazed how your circle of friends narrows when you need help buttoning your pants."

-Prof. 'Lefty' Kyker, Advanced Lab 3

"Can I rub your head?"

"You guys may have to look at dirty magazines, but all I have to do is think of Kant."

"Come down to my office and I'll stroke you."

-Prof. Luegenbiehl, no doubt taken way out of context

"Nobody solves equations for x and r!"

-Prof. Schurle, Number Theory

"Teachers like to see you get a good grade, but overall they don't care that much."

-Prof. Allison, Chem I

"You don't want to go out and see your neighbors if they're coughing and spitting."

-Prof. Myers, Western Civ, fun thoughts on the Black Plague

"The rate is determined. Once and for all. Forever and ever. Amen."

"Can we do it discretely? Say, in the closet or something."

"Eligible candidates must be women. Are there any volunteers?"

-Prof. Young, Networks

"It's a matter of not being able to find your rear end with both hands type thing."

-Lt. Col Wright on aerial reconnaissance, AS201

"The private parts of the class are not for public use!"

-Prof. Sullivan, Prog. Lang. Concepts

"Sometime last week."

-Collette, referring to the time the cake was made

"We don't serve you stale things on purpose."

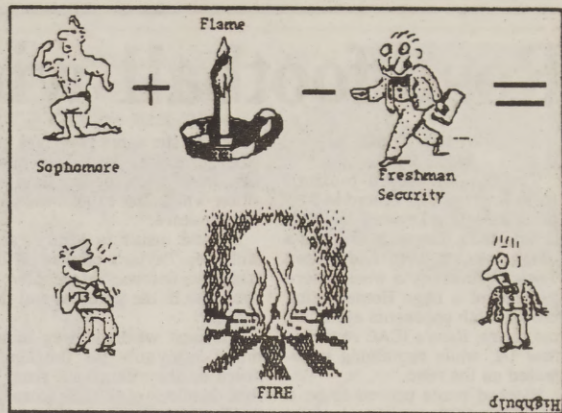
-Collette, queen of ARA

"So, you want to borrow Collette again."

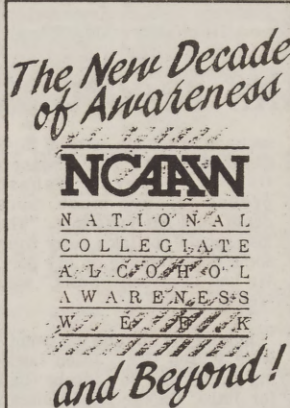
-Loretta

Top Ten Reasons to Play the Hoosier Lottery

- 1) Win enough money to move out of Indiana.
- 2) Now you can afford to go to that technical school with the full college experience. (Why do you think Stanford and M.I.T. charge more?)
- 3) Three ugly women bouncing around on T.V. really turns me on.
- 4) You're probably pretty good at scratching already. Put it to good use.
- 5) Why not blow your beer money on a thousands-to-one chance?
- 6) You may be one of the few people in Indiana who actually understands how to play.
- 7) You'd be proud to go on national TV and tell them you won this in Terre Haute, Indiana.
- 8) Finally found a use for ARAT cookies: Make excellent card scratchers.
- 9) Hey, if millions of morons do it nationwide, it must be good.
- 10) Danny Qualude blew the national budget in a craps game at Kadaffi's house. Help him get it back.



Since this equation is not in your \$20.00 Freshman Orientation Book, it is provided here (a little late)



You are invited to a wine-tasting dinner.



Hmmm... While a judge is talking about DWI, you'll be experiencing it firsthand. You'll certainly be alcohol aware, though. This is sort of like serving pork chops at a bar mitzvah.

Please be patient... There will definitely be a Woodsie Application next week, and there are Woodies and USIs hard at work on Part II of the Rosem Application.

